# EVA-O

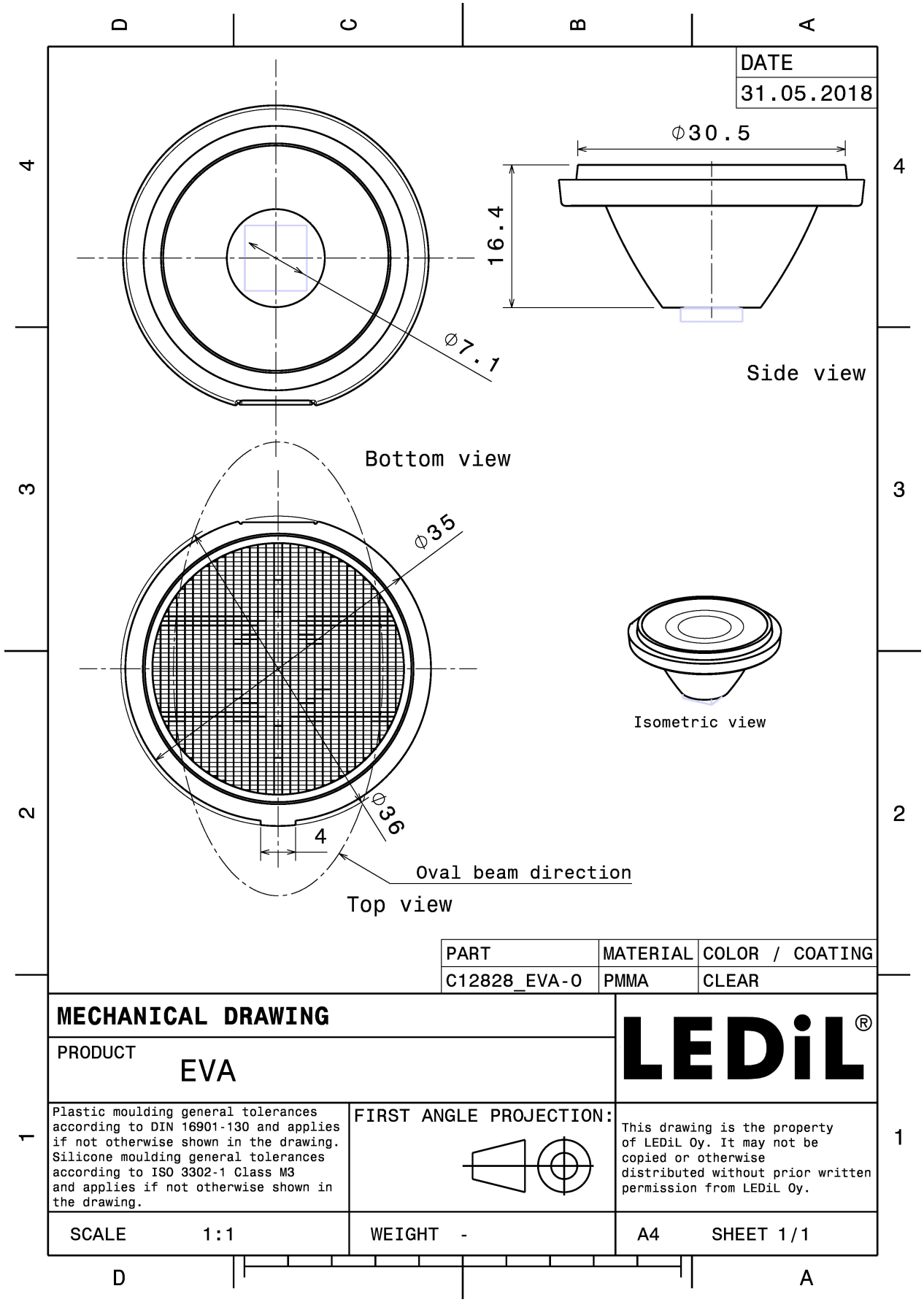
**~40° x 15° oval beam**

## TECHNICAL SPECIFICATIONS:

| | |
|---|---|
| Dimensions | Ø 35 mm |
| Height | 16.4 mm |
| Fastening | |
| Colour | clear |
| Box size | 480 x 280 x 300 mm |
| Box weight | 5.6 kg |
| Quantity in Box | 675 pcs |
| ROHS compliant | yes |

## MATERIAL SPECIFICATIONS:

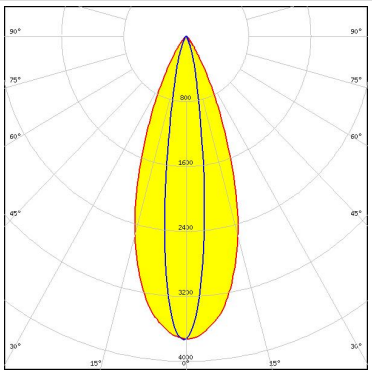
| Component | Type | Material | Colour |
|---|---|---|---|
| EVA-O | Lens | PMMA | clear |



## PHOTOMETRIC DATA (MEASURED):

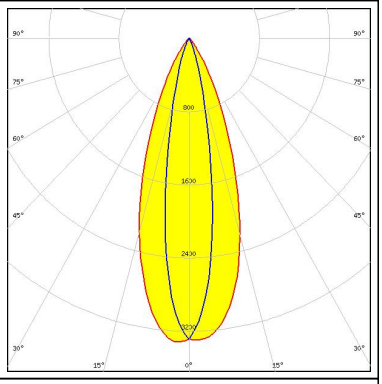
### CITIZEN

| | |
|---|---|
| LED | CLU LES 4.2mm (HI-Ver.3) |
| FWHM | 39.0 + 15.0° |
| Efficiency | 89 % |
| Peak intensity | 3.700 cd/lm |
| Required components: | |



### CREE

| | |
|---|---|
| LED | MHB-A/B |
| FWHM | 39.0 + 18.0° |
| Efficiency | 81 % |
| Peak intensity | 3.100 cd/lm |
| Required components: | |

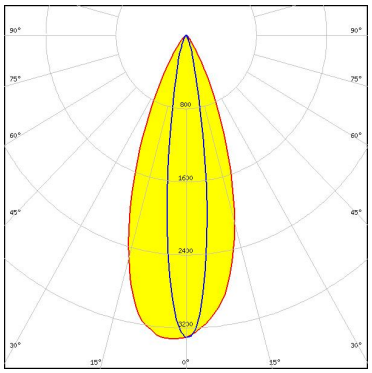


### CREE

| | |
|---|---|
| LED | XHP35 HI |
| FWHM | 39.0 + 21.0° |
| Efficiency | 81 % |
| Peak intensity | 2.200 cd/lm |
| Required components: | |

### CREE

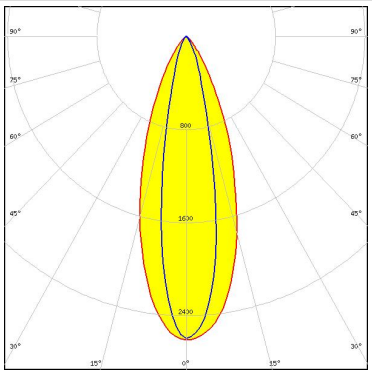
| | |
|---|---|
| LED | XM-L |
| FWHM | 15.5 + 39.0° |
| Efficiency | 86 % |
| Peak intensity | 3.300 cd/lm |
| Required components: | |



## PHOTOMETRIC DATA (MEASURED):

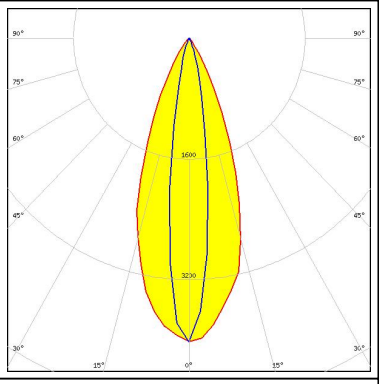
**LUMILEDS**

| | |
|---|---|
| LED | LUXEON M/MX |
| FWHM | 20.5 + 37.0° |
| Efficiency | 83 % |
| Peak intensity | 2.700 cd/lm |
| Required components: | |



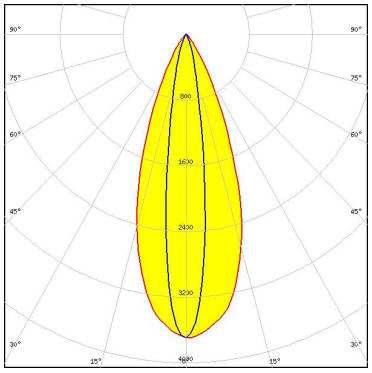
**LUMILEDS**

| | |
|---|---|
| LED | LUXEON MZ |
| FWHM | 39.0 + 15.0° |
| Efficiency | 86 % |
| Peak intensity | 4.000 cd/lm |
| Required components: | |



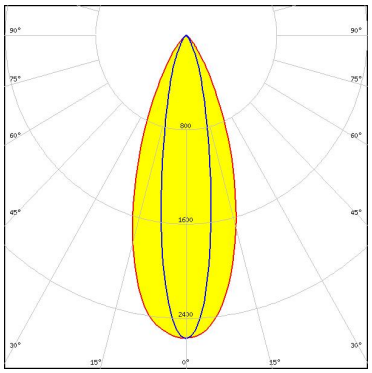
**NICHIA**

| | |
|---|---|
| LED | NS9x383 |
| FWHM | 39.0 + 15.0° |
| Efficiency | 87 % |
| Peak intensity | 3.700 cd/lm |
| Required components: | |



**NICHIA**

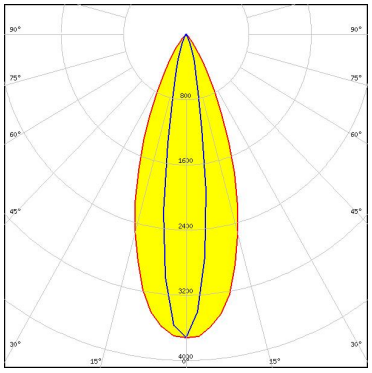
| | |
|---|---|
| LED | NSMx286M |
| FWHM | 40.0 + 20.0° |
| Efficiency | 86 % |
| Peak intensity | 2.570 cd/lm |
| Required components: | |



## PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | Duris S8 |
| FWHM | 39.0 + 17.0° |
| Efficiency | 88 % |
| Peak intensity | 3.700 cd/lm |
| Required components: | |



SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | Z8Y15 |
| FWHM | 41.0 + 13.0° |
| Efficiency | 85 % |
| Peak intensity | 4.880 cd/lm |
| Required components: | |

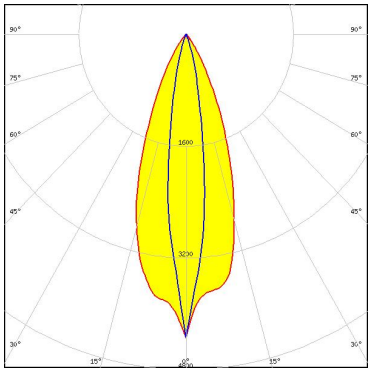
SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | Z8Y19 |
| FWHM | 41.0 + 12.0° |
| Efficiency | 86 % |
| Peak intensity | 4.870 cd/lm |
| Required components: | |

## PHOTOMETRIC DATA (SIMULATED):

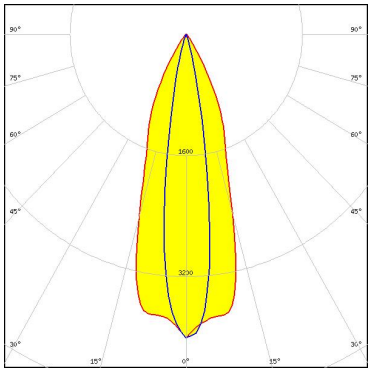
CREE

| | |
|---|---|
| LED | MC-E |
| FWHM | 16.0 + 40.0° |
| Efficiency | % |
| Peak intensity | cd/lm |
| Required components: | |



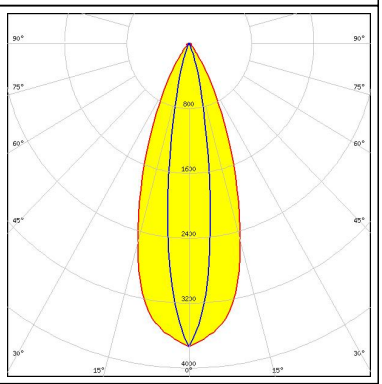
CREE

| | |
|---|---|
| LED | XP-G2 |
| FWHM | 17.0 + 34.0° |
| Efficiency | 91 % |
| Peak intensity | 4.000 cd/lm |
| Required components: | |



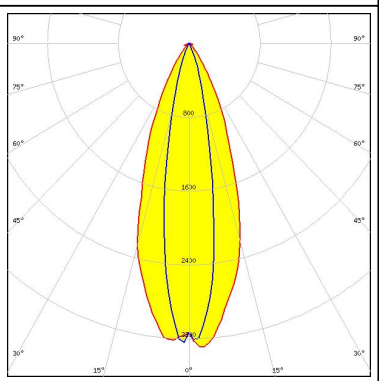
LUMILEDS

| | |
|---|---|
| LED | LUXEON 5258 |
| FWHM | 16.0 + 37.0° |
| Efficiency | 91 % |
| Peak intensity | 3.700 cd/lm |
| Required components: | |



OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | OSCONIQ P 7070 |
| FWHM | 19.0 + 37.0° |
| Efficiency | 92 % |
| Peak intensity | 3.320 cd/lm |
| Required components: | |



## GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

## MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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